

14. DOMESTIC/INTERNATIONAL priority is claimed under 35 USC 119(e)/120/365(c) based on the following provisional, nonprovisional and/or PCT international application(s):

19270 U.S. PTO  
10/713486  
111403

Application No.	Filing Date	Application No.	Filing Date
(1)		(4)	
(2)		(5)	
(3)		(6)	

15. ☐ This application is being filed under Rule 53(b)(2) since an inventor is named in the enclosed Declaration who was not named in the prior application.

16. ☐ Attached:

17. ☐ Preliminary Amendment:

**THE FOLLOWING FILING FEE IS BASED ON CLAIMS AS FILED LESS ANY ABOVE CANCELLED**

				Large/Small Entity		Fee Code
18. Basic Filing Fee				\$770/\$385	\$770	1001/2001
19. Total Effective Claims	43	minus 20 =	*23	x \$18/\$9 =	+ 414	1202/2202
20. Independent Claims	6	minus 3 =	*3	x \$86/\$43 =	+ 258	1201/2201
*If answer is zero or less, enter "0"						
21. If any proper multiple dependent claim (ignore improper) is present, add (Leave this line blank if this is a reissue application)				+ \$290/\$145	+ 0	1203/2203
22. TOTAL FILING FEE =					\$1442	
23. If "non-English" box 2 is X'd, add Rule 17(k) processing fee				+ \$130	+ 0	1053
24. If "assignment" box 8 is X'd, add recording fee				+ \$40	+ 40	8021
25. <input type="checkbox"/> Attached is a Petition/Fee under Rule No.				+ \$130	+ 0	1808
26. TOTAL FEE =					\$1482	

Our Deposit Account No. 03-3975

Our Order No. 081674 C# 0294374 M#

**CHARGE STATEMENT:** The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any missing or insufficient fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 16-18 (missing or insufficient fee only) now or hereafter relative to this application and the resulting Official document under Rule 20, or credit any overpayment, to our Account/Order Nos. shown above for which purpose a duplicate copy of this sheet is attached.

This CHARGE STATEMENT does not authorize charge of the issue fee until/unless an issue fee transmittal form is filed.

**Pillsbury Winthrop LLP  
Intellectual Property Group**

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RRW/JES

NOTE: File in duplicate with 2 post card receipts (PAT-103) & attachments

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
REQUEST FOR FILING NATIONAL PATENT APPLICATION

Under 35 USC 111(a) and Rule 53(b)

PATENT APPLICATION

Mail Stop Patent Application  
Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

WITH SIGNED DECLARATION

NONPROVISIONAL  
NON REISSUE  
NON PCT NAT PHASE

Sir:

Herewith is the PATENT APPLICATION of  
Inventor(s): Howard S. DAVID

Title PARTIAL BANK DRAM REFRESH

Atty. Dkt.: 0294374 | p15159  
C-M | Client Ref

including:

Date: November 14, 2003

1. Specification: 29 pages (only spec. and claims) 2. ☐ Specification in non-English language  
3. Declaration ☒ Original ☐ Facsimile/Copy ☒ Abstract 1 page(s); 43 numbered claims  
4. ☒ Drawings: 9 sheet(s) ☐ informal; ☒ formal of size: ☐ A4 ☒ 11"  
5. ☐ See top first page re prior Provisional, National or International application(s). ("X" box only if info is there and do not complete corresponding item 6 or 7). (Prior M# SN )  
6. This application claims benefit of the following prior US application(s), the contents of which are incorporated into this application by this reference:

No. / filed  
No. / filed  
No. / filed  
No. PCT / filed, which

designated the US.

7. ☐ See the attached Preliminary Amendment, which amends the specification to claim benefit of the above listed US application(s)

8. ☒ Attached is an assignment and cover sheet. Please return the recorded assignment to the undersigned.

9. ☒ Assignee Intel Corporation

Address 2200 Mission College Boulevard, Santa Clara, California 95054

10. FOREIGN priority is claimed under 35 USC 119(a)-(d)/365(b) based on filing in

11. (country)

Application No.	Filing Date	Application No.	Filing Date
(1)		(2)	
(3)		(4)	
(5)		(6)	
(7)		(8)	
(9)		<input type="checkbox"/> See 3 <sup>rd</sup> page for additional priorities	

12. (No.) Certified copy (copies): ☐ attached; ☐ previously filed (date) filed on

13. Small entity status → ☒ is not claimed; ☐ is claimed (Pre-filing confirmation required)

- 13(a). ☐ Attached: (No.) Small Entity Statement(s) (since 9/8/00 small entity statement(s) not essential to make claim)

- 13(b) ☐ See NONPUBLICATION REQUEST under Rule 213(a) attached (PAT-258)

PATENT  
0294374

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application  
Howard S. DAVID

Group No.: Unassigned

Serial No.: Unassigned  
Filed: November 14, 2003

Examiner: Unassigned

For: ***PARTIAL BANK DRAM REFRESH***

CERTIFICATE OF MAILING VIA U.S. EXPRESS MAIL

"Express Mail" Mailing Label No. EV 235 025 927 US

Date of Deposit: November 14, 2003

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

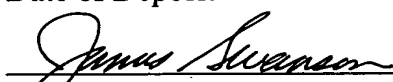
I hereby certify that

- ☒ Letter of transmittal
- ☒ Patent application (29 pages of specification; 43 claims; 1 pages of abstract)
- ☒ A check in the amount of \$1442.00 to cover the filing fee
- ☒ 9 sheets of formal drawings
- ☒ A Declaration/Power of Attorney
- ☒ An Assignment of the invention with cover sheet and \$40.00 recordation fee
- ☒ Return postcard

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service with sufficient postage under 37 CFR 1.10 on the date indicated above and are addressed to:

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

November 14, 2003  
Date of Deposit

  
James Swanson